

Security Administration Guide

A simple guide to:

- Create an Issuer
- Authorize new security in the CSD/DSF admin app
- List a security in the Exchange admin app
- Transfer/Mint security into an account

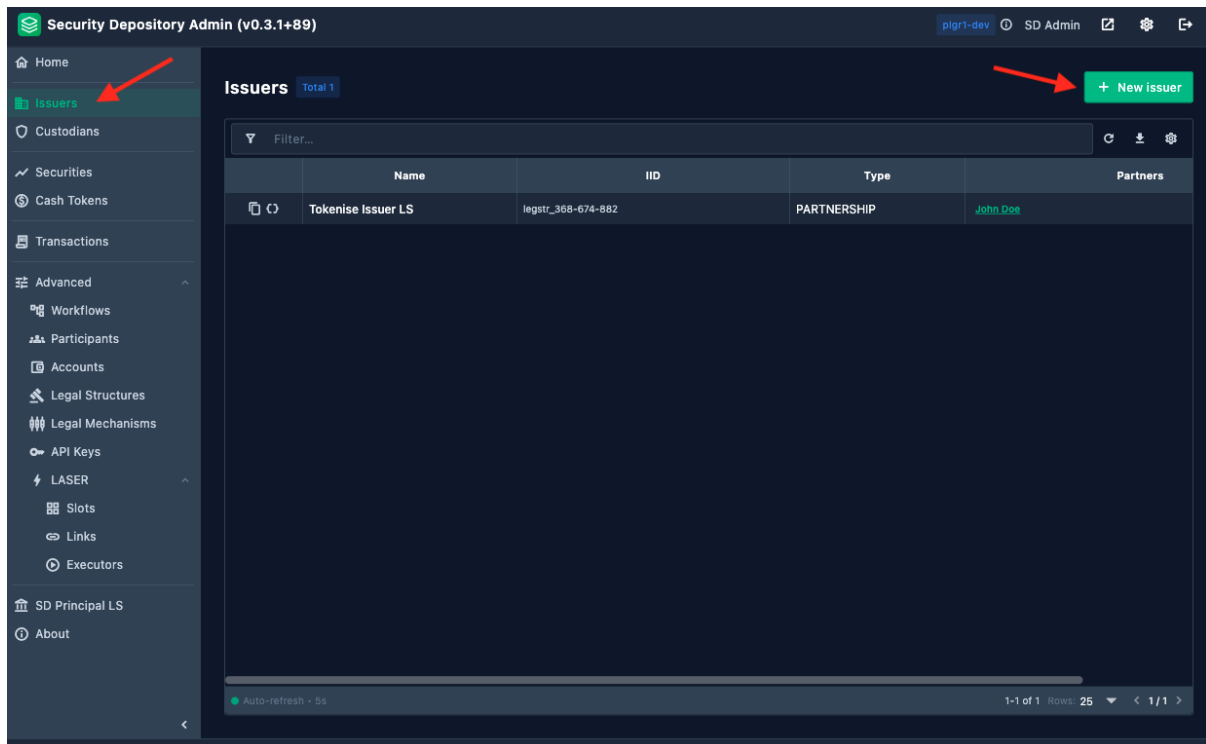
➤ Create an Issuer (prerequisite)

What it is. The issuer is the owner of the security, the one issuing the shares, bonds, or tokens.

Why first. A security needs an owner, so the issuer has to exist before you can create one. The next step won't let you continue until an issuer is there to pick, and the new security's supply starts out held by that issuer.


Follow these **steps**:

- Open the **CSD Admin** app
- From the left-side menu, navigate to the **Issuers** tab
- Click the **New Issuer** button



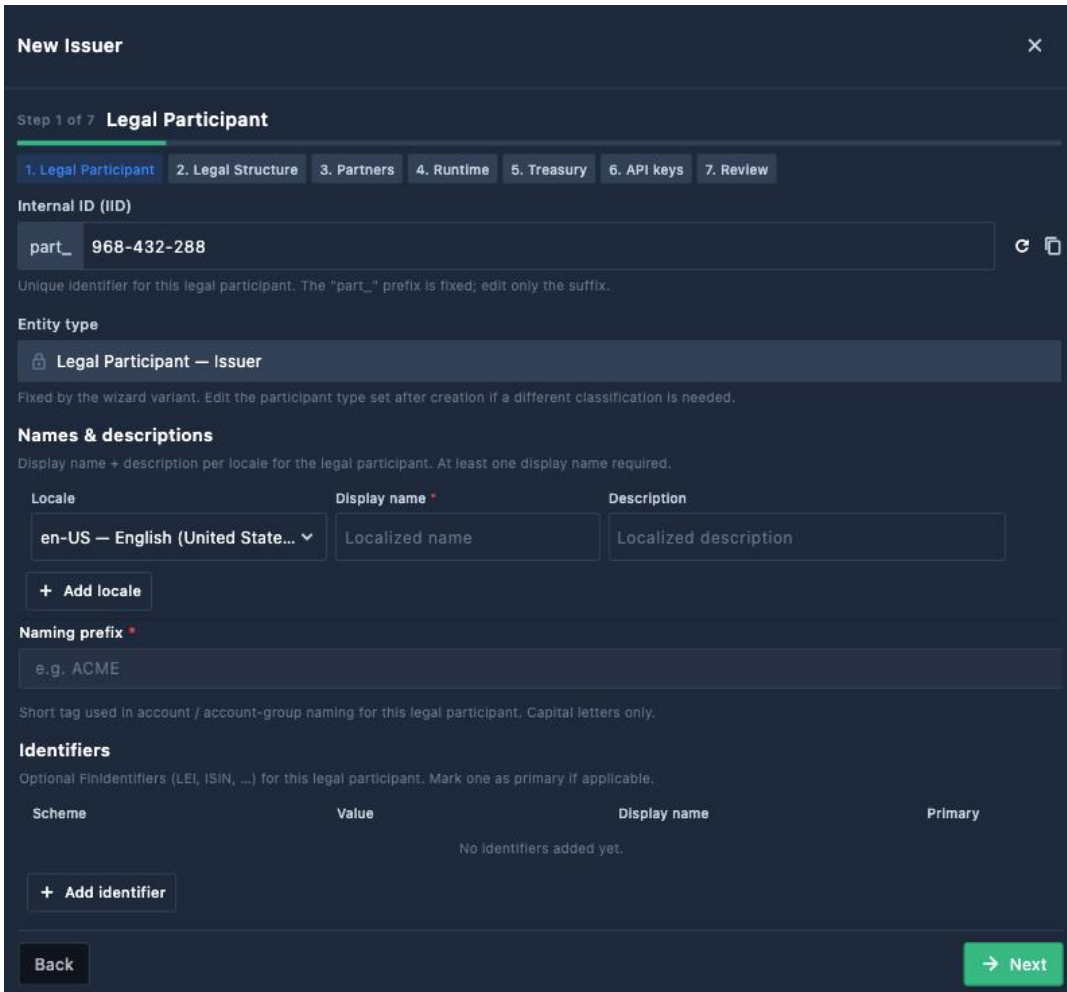
On the **New Issuer** window:

1. Legal Participant (Step 1 of 7)

Field	What to do
Internal ID (IID)	The part_ prefix is fixed — only edit the suffix. A random suffix (e.g. 968-432-288) is pre-filled; keep it or type your own. Use  to regenerate, the copy icon to copy the full IID. Min 3 chars including prefix.
Entity type	Locked to " Legal Participant — Issuer " (set by the wizard variant). Read-only here; changeable after creation.
Names & descriptions	Pick a Locale (defaults to en-US), enter a Display name (required) + optional Description . Use + Add locale for more languages. <i>At least one display name is required.</i>
Naming prefix	Required. Short tag for account/account-group naming (e.g. ACME). Capital letters only — auto-uppercased.
Identifiers	Optional. Add LEI/ISIN/etc. via + Add identifier (Scheme, Value, optional Display name, mark one Primary). Not required.

Two things worth knowing:

- The only fields you must fill are one Display name and the Naming prefix — the IID is auto-generated and the Entity type is locked.
- The Naming prefix carries forward: the next tab (Legal Structure) auto-fills its prefix as <prefix>LS.





New Issuer ✕

Step 1 of 7 **Legal Participant**


1. Legal Participant 2. Legal Structure 3. Partners 4. Runtime 5. Treasury 6. API keys 7. Review

Internal ID (IID)

part_ 968-432-288  

Unique Identifier for this legal participant. The "part_" prefix is fixed; edit only the suffix.


Entity type


 Legal Participant — Issuer

Fixed by the wizard variant. Edit the participant type set after creation if a different classification is needed.

Names & descriptions

Display name + description per locale for the legal participant. At least one display name required.

Locale	Display name *	Description
en-US — English (United State... 	Localized name	Localized description



Naming prefix *


e.g. ACME



Short tag used in account / account-group naming for this legal participant. Capital letters only.

Identifiers

Optional FinIdentifiers (LEI, ISIN, ...) for this legal participant. Mark one as primary if applicable.

Scheme	Value	Display name	Primary
No identifiers added yet.			



2. Legal Structure (Step 2 of 7)

The legal participant from Tab 1 owns a legal-structure record; this tab defines it. Most fields are pre-seeded from Tab 1, so usually you just confirm them and fill in one identifier.

Field	What to do
Internal ID (IID)	The ls_ prefix is fixed — edit only the suffix. Min 3 chars including prefix.
Entity type	Locked to " Legal Structure " (the Tab-1 participant is its owner).
Legal structure type	Shown as a dropdown but disabled / locked to PARTNERSHIP — nothing to pick.
Names & descriptions	Pre-seeded from Tab 1 with a " LS" suffix (e.g. ACME → ACME LS). Edit if you like; ≥1 display name required.
Name prefix	Pre-filled as <prefix>LS (e.g. ACMELS). Capital letters only, auto-uppercased.
Identifiers	⚠ Required here — defaults to a primary LEI row; fill in the value (or change scheme). At least one needed. LEI strongly recommended.

The one thing to watch: Unlike Tab 1, **an identifier is mandatory** on this tab (it defaults to a primary LEI row). That's the field most likely to block you from continuing — everything else is pre-filled from Tab 1.

New Issuer [Close]

Step 2 of 7 **Legal Structure**

1. Legal Participant 2. Legal Structure 3. Partners 4. Runtime 5. Treasury 6. API keys 7. Review

Internal ID (IID)
legstr_ 868-166-576 [Copy] [Refresh]

Unique identifier for the legal structure record this participant owns. The "legstr_" prefix is fixed; edit only the suffix.

Entity type
Legal Structure

Always "Legal Structure" — the legal participant created in the previous tab is the owner of this entity.

Legal structure type *
Partnership

Locked to PARTNERSHIP — the saga and downstream legal mechanisms only support that topology today.

Names & descriptions
Display name + description per locale for this legal structure. At least one display name is required.

Locale	Display name *	Description
en-US — English (United State... ▾	a LS	Localized description

+ Add locale

Name prefix *
ALS

Short tag used in legal-structure account / account-group naming. Capital letters only.

Identifiers *
At least one FinIdentifier is required. Defaults to a primary LEI row — fill in the value or change the scheme.

Scheme	Value	Display name	Primary
LEI — (ISO 17442) LEI ▾	Identifier value	Display name (optional)	<input checked="" type="checkbox"/>

+ Add identifier

Back [Next]

3. Partners (Step 3 of 7)

A legal structure (a partnership) is built from **partner participants**. This tab is the list of those partners — **at least one is required**, and exactly one must be the **deployer**.

Steps:

1. **Add partner** → opens the partner editor.
2. In the editor, pick a mode with the **Create new** toggle:
 - a. **Create new** (ON): make a brand-new participant — fill in **IID** (part_ prefix fixed), **Types** (≥1 required), **Names & descriptions** (≥1 display name), **Naming prefix** (caps only), optional **Identifiers**, and **Roles** (participant↔LS relation, ≥1 required).
 - b. **Link existing** (OFF): search and pick an existing participant — these rows are **read-only** here.
3. **Add / Save** to add the row.
4. Each row shows IID, types, roles; the **deployer** has a ★ star. Click a row's star to make it the deployer; **Edit** (new partners only) or **Remove** (can't remove the last one).

Must pass before Next:

- ≥1 partner, every partner has an IID, every *new* partner has ≥1 Type, and the deployer is one of the listed partners (defaults to the first).

Simplest path: add one new partner, give it a Type and a Role, leave it as the default deployer — that satisfies everything on this tab.

New Issuer [Close]

Step 3 of 7 **Partners**

1. Legal Participant 2. Legal Structure 3. Partners 4. Runtime 5. Treasury 6. API keys 7. Review

Partners [Add partner]

Each row is a partner participant. Click Edit to open the full editor (IID, types, names, Identifiers, roles); the deployer is tagged with a star.

★ part_457-867-843 [create new] [Edit] [Remove]

Types: —

[Back] [Next]

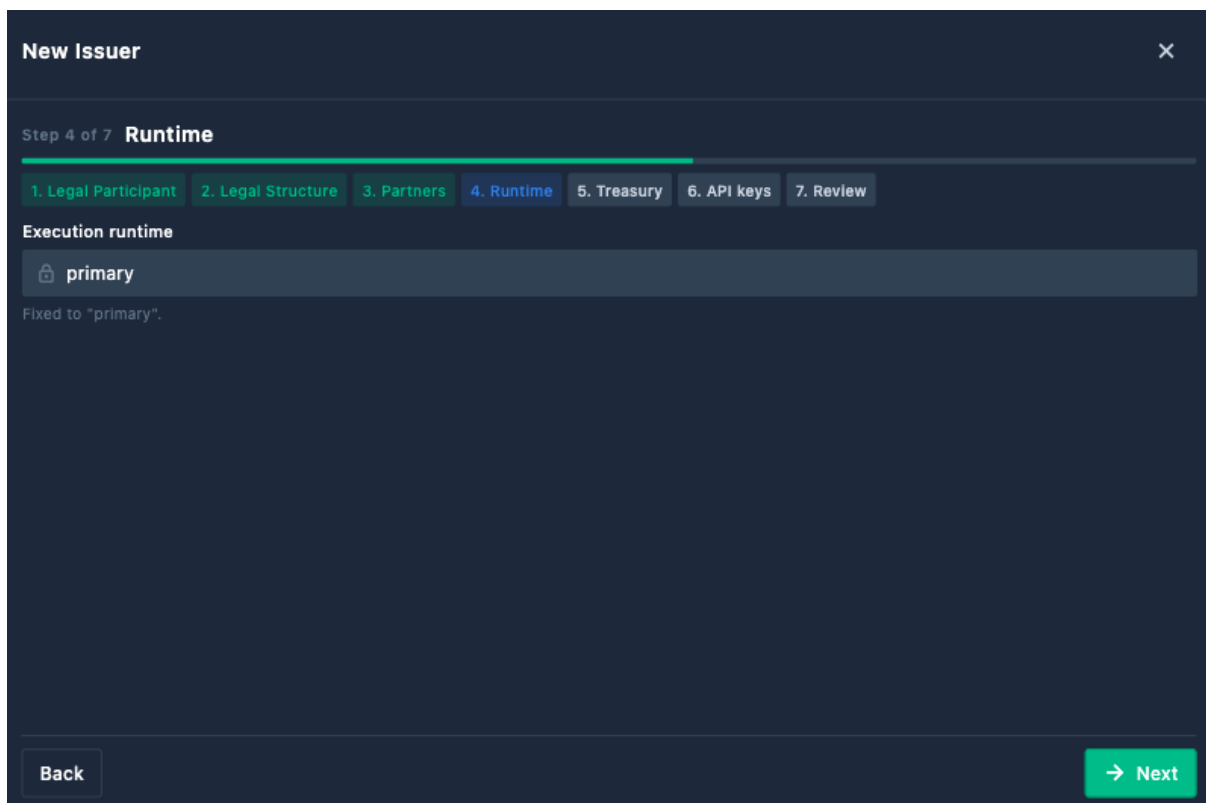
4. Runtime (Step 4 of 7)

This tab is **read-only** — **nothing to fill in**.

Execution runtime: Shows the value **primary** in a locked box; helper text says *"Fixed to 'primary'."* You can't change it.

Just review it and click **Next**.

Why it's locked: the platform runs a single execution runtime (primary), so the wizard shows it for transparency but doesn't let you choose another. The tab always passes validation — it's effectively an informational pass-through step.



The screenshot shows a dark-themed wizard interface titled "New Issuer" with a close button in the top right. Below the title, it indicates "Step 4 of 7 Runtime". A progress bar shows seven steps: 1. Legal Participant, 2. Legal Structure, 3. Partners, 4. Runtime (highlighted in blue), 5. Treasury, 6. API keys, and 7. Review. Under the heading "Execution runtime", there is a text input field containing the word "primary" with a lock icon on the left, indicating it is read-only. Below the field, the text "Fixed to 'primary'." is displayed. At the bottom of the wizard, there are two buttons: "Back" on the left and "Next" on the right, which is highlighted in green.

5. Treasury (Step 5 of 7)

For the **Issuer** wizard, this tab is **read-only — nothing to configure**. (I verified the CSD issuer flow launches with `forcesTreasury: true`, `forcesCustodyAccount: true`, and cash-token controls **hidden**.)

You'll see an info card "**Nothing to configure here**" that explains:

- A **treasury mechanism + custody account** are deployed automatically so the issuer can hold cash-token positions.
- **Cash-token contracts are minted only by the PLEGP** — issuers never mint their own.

Below it, two switches are **locked ON** (can't toggle):

Switch	State	Meaning
Force-deploy treasury mechanism	Locked ON	Lets the issuer hold cash-token positions.
Force-create custody account	Locked ON	Creates a SIGNER-tagged custody account as the cluster's omnibus root.

New Issuer ×

Step 5 of 7 **Treasury**

1. Legal Participant 2. Legal Structure 3. Partners 4. Runtime 5. Treasury 6. API keys 7. Review

Nothing to configure here

A treasury mechanism and a custody account will be deployed automatically for this legal structure so it can hold cash-token positions. Cash-token contracts themselves are minted only by the Principal Legal Participant (PLEGP) — issuers and custodians never deploy their own.

Force-deploy treasury mechanism (locked on)

Required so the legal structure can hold cash-token positions. Issuers, custodians and the PLEGP all need one in CSD.

Force-create custody account (locked on)

Creates a SIGNER-tagged custody account for this legal structure so other custodian and issuer custody accounts can attach under it as the cluster's omnibus root.

Back → Next

6. API keys (Step 6 of 7)

This tab mints **API keys** — the credential a participant's client uses to authenticate every call into Agora (one per participant). It's **optional** (always passes validation), but it's your only chance to see and save the key values.

The list: one row per participant — the **Legal Participant** (the issuer) at the top, then each **Partner** from Tab 3. Each row shows name, IID, and badges (type / account type / New|Linked).

How to use it:

1. Toggle the **switch** ON for any participant that needs a key.
2. On toggle, a key is **generated client-side instantly**, shown in a secret box with **Copy**, **Download**, and **Renew** actions.
3. **⚠ Save it now** — the UI warns: *"Save this key now — it will not be shown again after creation."* The plaintext is **not** recoverable later.
4. Toggling off→on **reuses the same key** (no silent rotation). Use **Renew** only if you want a fresh value.

New Issuer ×

Step 6 of 7 **API keys**

1. Legal Participant 2. Legal Structure 3. Partners 4. Runtime 5. Treasury 6. API keys 7. Review

Mint API keys for selected participants
API keys authenticate every call a participant's client makes into Agora — one per participant.

a
part_968-432-288

Legal Participant ISSUER

w
part_457-867-843

New VENUE CLIENT 1 relation

Back → Next

7. Review (Step 7 of 7)

A **read-only summary** — nothing to fill in. You confirm and submit.

One review card per section, each with an **Edit** link that jumps back to that tab:

Card	Shows
Legal Participant	IID, prefix, entity type (<i>Legal Participant — Issuer</i>), display name, locales
Legal Structure	IID, prefix, entity type, type (<i>Partnership</i>), LS locales
Partners	Each partner (IID · create/link · types) + the Deployer
Runtime	primary
Treasury & Cash Tokens	Currencies (— for an issuer), Force treasury: Yes
API keys	Which participants got a key (or "No keys requested")

To finish:

1. Review each card; use **Edit** to correct any tab, then return.
2. Click "**Create issuer**" (the issuer wizard's confirm button).
3. This submits the **setup_new_issuer_participant** saga and returns a **saga instance ID** — track it under **Advanced** → **Workflows** until the issuer + clearing/custody account + treasury mechanism are provisioned.

When the saga completes, the issuer exists

New Issuer [Close]

Step 7 of 7 **Review**

1. Legal Participant 2. Legal Structure 3. Partners 4. Runtime 5. Treasury 6. API keys 7. Review

Legal Participant [Edit]

IID: part_968-432-288
Naming prefix: A
Entity type: Legal Participant — Issuer
Display name: a
Locales: en-US

Legal Structure [Edit]

IID: legstr_868-166-576
Naming prefix: ALS
Entity type: Legal Structure
Type: Partnership
LS locales: en-US

[Back] [Create issuer]

➤ Authorize new security in the CSD/DSF admin app

Follow these steps:

- Open the **CSD Admin** app
- From the left-side menu, navigate to the **Securities** tab
- Click the **Authorize New Security** button

The screenshot shows the Security Depository Admin (v0.3.1+89) interface. The left sidebar contains a menu with the following items: Home, Issuers, Custodians, **Securities** (highlighted with a red arrow), Cash Tokens, Transactions, Advanced, Workflows, Participants, Accounts, Legal Structures, Legal Mechanisms, API Keys, LASER, Slots, Links, Executors, SD Principal LS, and About. The main content area is titled 'Securities' and shows a table with 16 rows. A red arrow points to the '+ Authorize New Security' button in the top right corner of the main content area.

	Name	IID	Identifiers	Tags
▶ 📄 🔍	Tokenise Security 15	authz-Instr_TKISILS_TKS15_165-317-731	TKS15 (TICKER)	issued, erc20, security, TKS15
▶ 📄 🔍	Tokenise Security 14	authz-Instr_TISLS_TKS14_472-318-667	TKS14 (TICKER)	issued, erc20, security, TKS14
▶ 📄 🔍	sample token	authz-Instr_TKISILS_SMP_237-488-173	SMP (TICKER)	issued, erc20, security, SMP
▶ 📄 🔍	Tokenise Security 13	authz-Instr_IS3LS_TKS13_326-182-478	TKS13 (TICKER)	issued, erc20, security, TKS13
▶ 📄 🔍	Tokenise Security 12	authz-Instr_TKISILS_TKS12_968-189-752	TKS12 (TICKER)	issued, erc20, security, TKS12
▶ 📄 🔍	Tokenise Security 11	authz-Instr_IS3LS_TKS11_643-842-518	TKS11 (TICKER)	issued, erc20, security, TKS11
▶ 📄 🔍	Tokenise Security 10	authz-Instr_TKS10_852-634-848	TKS10 (TICKER)	issued, erc20, security, TKS10
▶ 📄 🔍	Tokenise Security 9	authz-Instr_TKISILS_TKS9_692-241-628	TKS9 (TICKER) - US0231351067 (ISIN)	issued, erc20, security, TKS9
▶ 📄 🔍	Tokenise Security 8	authz-Instr_TKISILS_TKS8_286-966-936	TKS8 (TICKER)	issued, erc20, security, TKS8
▶ 📄 🔍	Tokenise Security 7	authz-Instr_TKISILS_TKS7_193-123-833	TKS7 (TICKER) - US88160R1014 (ISIN)	issued, erc20, security, TKS7
▶ 📄 🔍	Tokenise Security 6	authz-Instr_TKISILS_TKS6_535-569-415	TKS6 (TICKER)	issued, erc20, security, TKS6
▶ 📄 🔍	Tokenise Security 5	authz-Instr_TKISILS_TKS5_889-915-546	TKS5 (TICKER) - US5949181045 (ISIN)	issued, erc20, security, TKS5
▶ 📄 🔍	Tokenise Security 4	authz-Instr_TKISILS_TKS4_231-551-693	TKS4 (TICKER)	issued, erc20, security, TKS4
▶ 📄 🔍	Tokenise Security 3	authz-Instr_TKISILS_TKS3_491-784-367	TKS3 (TICKER)	issued, erc20, security, TKS3
▶ 📄 🔍	Tokenise Security 2	authz-Instr_TKISILS_TKS2_167-934-419	TKS2 (TICKER)	issued, erc20, security, TKS2
▶ 📄 🔍	Tokenise Security 1	authz-Instr_TKISILS_TKS1_448-599-326	TKS1 (TICKER)	issued, erc20, security, TKS1

Auto-refresh - 5s 1-16 of 16 Rows: 25 < 1/1 >

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On the **Authorize New Security** window:

1. Issuer (Step 1 of 6)

Pick the issuer from the dropdown. "The issuer's clearing account becomes the authorized instrument's deployer and initial holder." Blocked if no issuer exists.

Authorize New Security [Close]

Step 1 of 6 **Issuer**

1. Issuer 2. Basics 3. CFI Code 4. Supply 5. Runtime 6. Review

Pick the Issuer whose legal structure will own the new security. The Issuer's clearing account becomes the authorized instrument's deployer and initial holder.

Issuer *

[Dropdown Menu]

Back [Next]

2. Basics (Step 2 of 6)

Enter the **Security name** and **Ticker symbol**

Authorize New Security ✕

Step 2 of 6 **Basics**

1. Issuer 2. Basics 3. CFI Code 4. Supply 5. Runtime 6. Review

Security name

Ticker symbol

3. CFI Code (Step 3 of 6)

Build an ISO 10962 code via category/group/attributes or a preset — must be 6 uppercase letters.

Authorize New Security

Step 3 of 6 **CFI Code**

1. Issuer 2. Basics 3. CFI Code 4. Supply 5. Runtime 6. Review

CFI Code Builder (ISO 10962)
Build a Classification of Financial Instruments (CFI) code by selecting the appropriate category, group, and attributes. The CFI code is a 6-character ISO standard code that uniquely identifies the type of financial instrument.

CFI Code
XXXXXX
Unknown category

Quick Presets

Common Stock ESUFR Preferred Stock EPFXXX Corporate Bond DBFRNX Treasury Bill MMTFNB Cash Token MXXXXX
ETF CEXXXX

1. Category (Position 1) *

Back → Next

4. Supply (Step 4 of 6)

Initial supply, Decimals (0 = indivisible), Currency, Country. A live preview shows the real scaled supply.

Authorize New Security

Step 4 of 6 **Supply**

1. Issuer 2. Basics 3. CFI Code 4. Supply 5. Runtime 6. Review

Initial supply

Number of authorized units minted at issuance.

Decimals

Token divisibility (0 = indivisible shares).

Currency **Country**

USD — United States Dollar US — United States

Authorized supply (after applying decimals)

1,000,000

Indivisible shares — raw and scaled values match.

[Back](#) [Next](#)

5. Runtime (Step 5 of 6)

Read-only, locked to primary — just click Next.

Authorize New Security ✕

Step 5 of 6 **Runtime**

1. Issuer 2. Basics 3. CFI Code 4. Supply 5. Runtime 6. Review

Execution runtime

🔒 primary

Fixed to "primary" — authorization always runs against the primary execution runtime.

Back → Next

6. Review (Step 6 of 6)

Review the entered details and click the **Authorize Security** button

Authorize New Security ✕

Step 6 of 6 **Review**

1. Issuer 2. Basics 3. CFI Code 4. Supply 5. Runtime 6. Review

Issuer Edit

Legal structure legstr_626-882-355

Basics Edit

Name Tokenise Security 16
Symbol TKS16

CFI code Edit

Code ESVUFR
Description Equities — Common/Ordinary Shares

Supply Edit

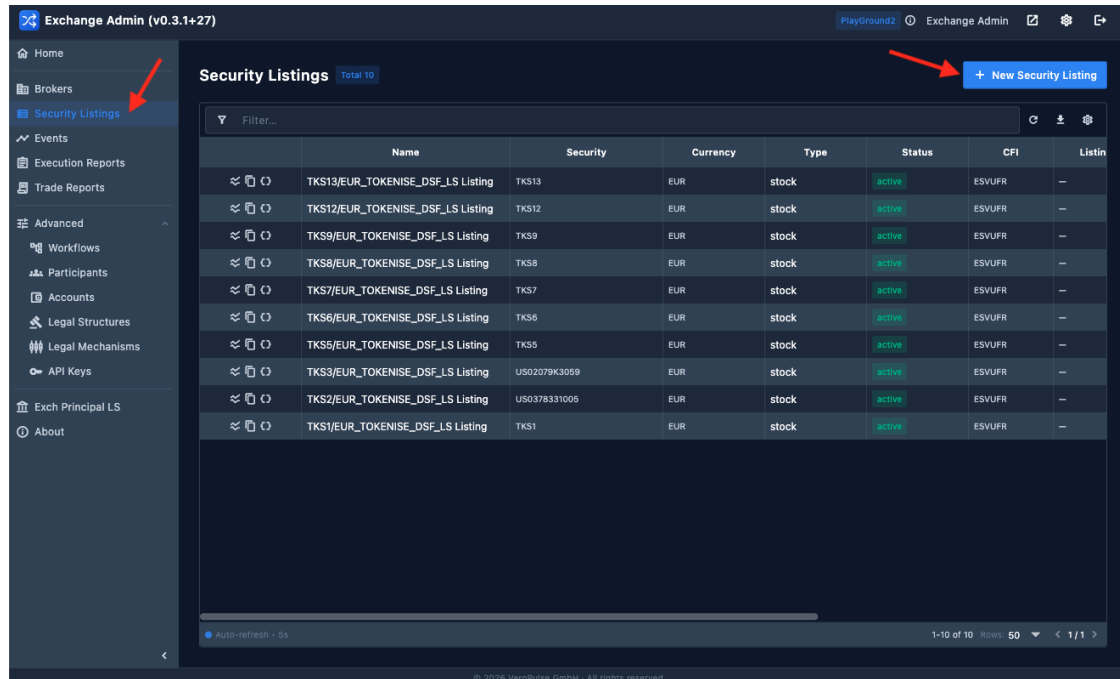
1000000

Back ✓ Authorize security

➤ List a security in the Exchange admin app

Follow these steps:

- Open the **Exchange Admin** app
- From the left-side menu, navigate to the **Security Listings** tab
- Click the **New Security Listing** button

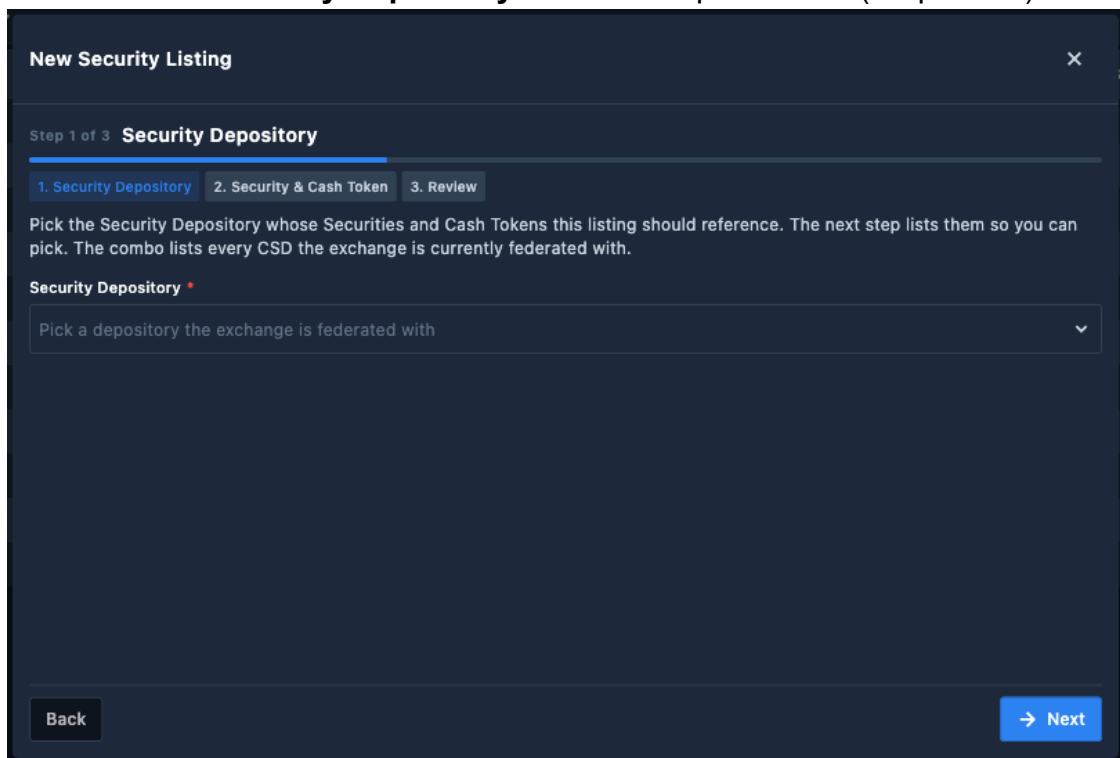


The screenshot shows the Exchange Admin (v0.3.1+27) interface. The left sidebar is open, with 'Security Listings' selected. A red arrow points to the '+ New Security Listing' button in the top right corner. The main content area displays a table of security listings with the following columns: Name, Security, Currency, Type, Status, CFI, and Listin.

Name	Security	Currency	Type	Status	CFI	Listin
TKS13/EUR_TOKENISE_DSF_LS Listing	TKS13	EUR	stock	active	ESVUFR	—
TKS12/EUR_TOKENISE_DSF_LS Listing	TKS12	EUR	stock	active	ESVUFR	—
TKS9/EUR_TOKENISE_DSF_LS Listing	TKS9	EUR	stock	active	ESVUFR	—
TKS8/EUR_TOKENISE_DSF_LS Listing	TKS8	EUR	stock	active	ESVUFR	—
TKS7/EUR_TOKENISE_DSF_LS Listing	TKS7	EUR	stock	active	ESVUFR	—
TKS6/EUR_TOKENISE_DSF_LS Listing	TKS6	EUR	stock	active	ESVUFR	—
TKS5/EUR_TOKENISE_DSF_LS Listing	TKS5	EUR	stock	active	ESVUFR	—
TKS3/EUR_TOKENISE_DSF_LS Listing	US02079K3059	EUR	stock	active	ESVUFR	—
TKS2/EUR_TOKENISE_DSF_LS Listing	US0378331005	EUR	stock	active	ESVUFR	—
TKS1/EUR_TOKENISE_DSF_LS Listing	TKS1	EUR	stock	active	ESVUFR	—

On the **New Security Listing** window:

- 1- Select the **Security Depository** from the drop-down list (Step 1 of 3)



New Security Listing

Step 1 of 3 **Security Depository**

1. Security Depository 2. Security & Cash Token 3. Review

Pick the Security Depository whose Securities and Cash Tokens this listing should reference. The next step lists them so you can pick. The combo lists every CSD the exchange is currently federated with.

Security Depository *

Pick a depository the exchange is federated with

Back Next

2- Select the **Security** and **Cash Token** from the drop-down lists (Step 2 of 3)

New Security Listing

Step 2 of 3 **Security & Cash Token**

1. Security Depository 2. Security & Cash Token 3. Review

Security *

Pick the security to list

Cash Token *

Pick the currency / cash token

Back → Next

3- Review the entered details and click the **Submit** button (Step 3 of 3)

New Security Listing

Step 3 of 3 **Review**

1. Security Depository 2. Security & Cash Token 3. Review

Depository: DigiClear Central Securities Depository · [REST]
Security: Tokenise Security 15 (TICKER:TKS15)
Cash Token: EUR Cash Token for Tokenise DSF LS (TICKER:EUR_TOKENISE_DSF_LS)

Listing Type *

Stock

Execution Runtime *

primary

CFI Code (optional)

e.g. ESVUFR

Settlement Cycle (optional)

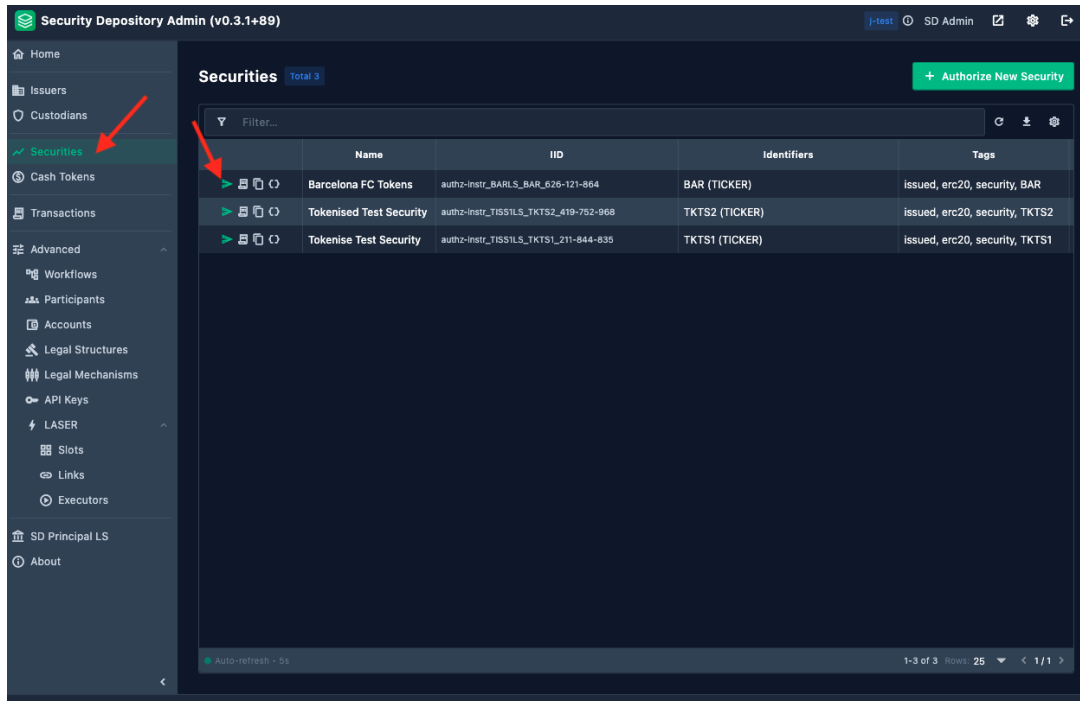
e.g. T+2

Back ✓ Submit

➤ Transfer/Mint security into an account

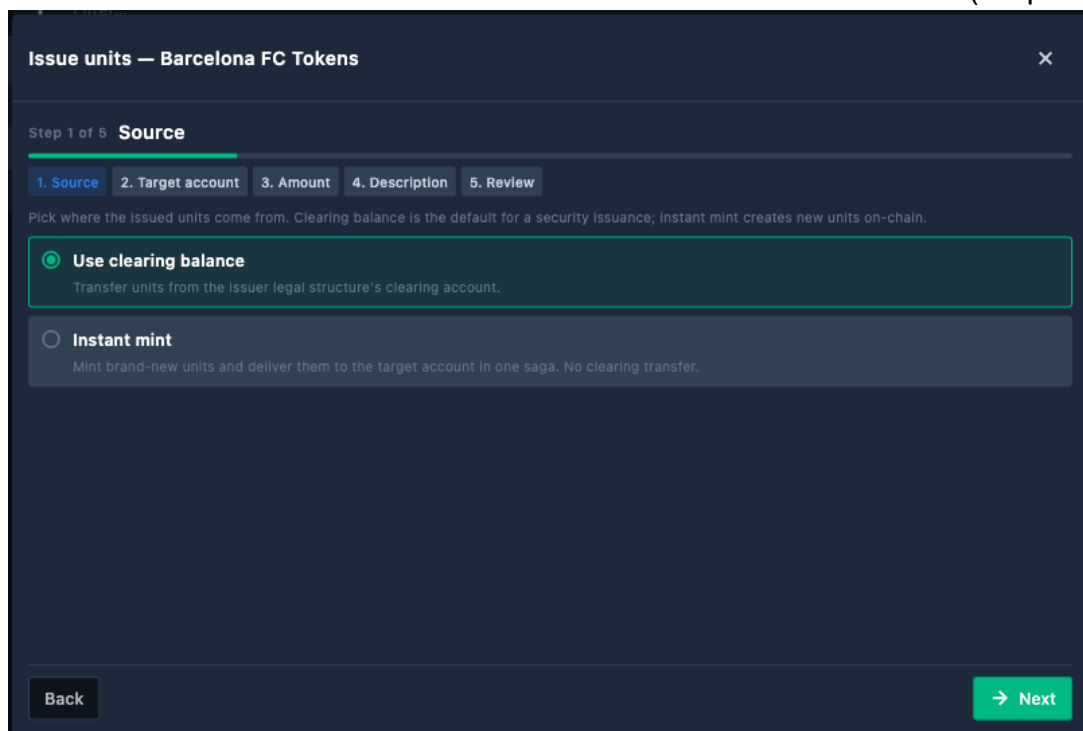
Follow these **steps**:

- Open the **CSD Admin app**
- From the left-side menu, navigate to the **Securities** tab
- Click the **Issue Units** button



On the **Issue Units** window:

- 1- Choose whether to **Transfer from the Issuer** or **Mint new units** (Step 1 of 5)



2- Select the **Target account** from drop-down list (Step 2 of 5)

To find your **Target account**:

- Open the **Trade Bench** app, from the left side menu go to **Investor Info** tab
- In **CSD Accounts** section you can find your **Account IID** (acc_part ...)

The screenshot shows a dark-themed web interface for issuing tokens. At the top, it says "Issue units — Barcelona FC Tokens" with a close button. Below that, it indicates "Step 2 of 5 Target account". A progress bar shows five steps: 1. Source, 2. Target account (highlighted), 3. Amount, 4. Description, and 5. Review. The issuer is identified as "Barcelona LS" with a sub-account "part_568-748-642". A note states: "The Issuer's clearing account is excluded — it serves as the source." The "Target account" field is a dropdown menu with the selected value: "Sub-Account bbMgkxvyVX3ab8pOHupsd3OY1KV7uDu5 — client — acc_part484187626_461-341-147". At the bottom, there are "Back" and "Next" buttons.

3- Enter the **Amount** (Step 3 of 5)

The screenshot shows the same dark-themed web interface, now at "Step 3 of 5 Amount". The progress bar highlights step 3. The instructions say: "Enter the amount in base units (already scaled by 10^divisibility). The display value below shows how it will appear in balances." The "Amount (base units)" field contains "e.g. 1000000" and a "divisibility = 0" button. Below this is a "Preview" section with two rows: "Amount (base units) —" and "Amount (display) —". At the bottom, there are "Back" and "Next" buttons.

4- Add a **Description** (it is optional) (Step 4 of 5)

The screenshot shows a dark-themed interface for issuing units. At the top, it says "Issue units — Barcelona FC Tokens" with a close button. Below that, it indicates "Step 4 of 5 Description". A progress bar shows five steps: 1. Source, 2. Target account, 3. Amount, 4. Description (highlighted), and 5. Review. A note says "Optional — surfaces on the saga record and audit log." There is a text input field for the description with the placeholder text "e.g. Q2 primary issuance for investor X". At the bottom, there are "Back" and "Next" buttons.

5- Review the details and click the **Issue Units** button (Step 5 of 5)

The screenshot shows the "Review" step of the "Issue units" form. It displays the following details:

- Security**
 - Display name: Barcelona FC Tokens
 - IID: authz-instr_BARLS_BAR_626-121-864
- Source** (with an "Edit" button)
 - Mode: Use clearing balance
- Target account** (with an "Edit" button)
 - Account: acc_part484187626_461-341-147
 - Issuer LS: legstr_129-274-685
 - Issuer participant: part_568-748-642
- Amount** (with an "Edit" button)

At the bottom, there are "Back" and "Issue units" buttons.